

Data Ingest Activities - Hard Media Ingest

(Subsystems Involved: INS, DSS, MSS)

System	Operator
All of the messages listed below go to one or more log files which may be viewed by operations personnel by monitoring the display or by browsing the log files.	
1) Hard media is received at the DAAC and checked for readiness to ingest.	- DIT compares received media to media ingest readiness checklist. DIT invokes ingest client s/w via GUI.
2) DIT is prompted to mount media	
- Device allocation requested from Data Server peripheral pool.	- DIT receives device ID and mounts the media.
- Existence of Delivery Record file which describes media contents is checked and a summary of Delivery Record contents logged.	

Data Ingest Activities - Hard Media Ingest (cont.)

System	Operator
- Data is transferred from media to working storage. Message indicating initiation of transfer is written to the event log. Status of all involved devices is identified during and after the transfer is completed (peripheral deallocated) and written to the event log.	
3) Data conversion is performed, if necessary (no conversion identified for Release A).	
4) Ingest function extracts metadata and checks selected metadata parameters. Status is written to the event log.	

Data Ingest Activities - Hard Media Ingest (cont.)

System	Operator
5) Ingest function requests to store data and metadata in the appropriate Data Server. Data repository insert request generated. Subscription (if any) triggered to indicate availability of data when the archive process is completed.	
6) Email notification is sent to the data provider (if a network address is available). Status message is provided to DIT and Ingest History Log when archiving is complete.	- DIT may view the history log. Request ID associated with this ingest process drops off of the ingest status display at this time.